| Index of Claims | Application No. |
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| Applicant(s) |      |
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| Cl       | aim      | _                     |          |          |          | Date     | _  |  |          | $\neg$    | C        | aim      | ī  |                | -   | Da      | ıtρ      |              |          | $\neg$   |            | laim     | т —          |                                     |               |          | ate           |
|----------|----------|-----------------------|----------|----------|----------|----------|--|--|----------|-----------|----------|----------|--|----------------|---|---------|----------|--------------|----------|----------|------------|----------|--------------|-------------------------------------|---------------|----------|---------------|
| - 01     | 21111    |                       | _        | $\neg$   | _՝       |          | <del>-</del>                                     | _  |          | $\dashv$  | Ci       | 21111    | Н  |                | $\neg T$  | T       | <u> </u> | $\top$       | П        |          | <b>├</b> ` |          | $\vdash$     |                                     |               | ┪        |               |
| =        | lal      |                       | 12/23/04 |          |          |          |  |  |          |           | = 1      | ā        |  |                |   |         |          |              | li       |          | =          | Original |              |                                     |               | ĺ        | . 1           |
| Final    | gir      | 8                     | रें।     |          |          |          |  |  |          |           | Final    | g        |  |                |   |         | 1        |              |          |          | Final      | g.       | 1            |                                     |               | ı        | . 1           |
| T.       | Original |                       | 2        |          |          |          |  |  |          | ŀ         | <u> </u> | Original |  |                |   |         |          |              | 1 1      |          | "          | 9        |              |                                     |               | - 1      |               |
| <u> </u> |          | Ш                     | _        | _        | _        |          | <u> </u>   | L  |          | _         | ļ        |          | Ш  | _              |   | 4       | ┷        | ↓_           | $\sqcup$ |          | <u> </u>   |          | _            |                                     | $\dashv$      | _        |               |
| 1_       | 1        |                       | =        | _        | _        |          | L.   | <u> </u>   | Щ        | _         |          | 51       | $\sqcup$   | 4              | _   | 4       | _        | ᆚ_           | $\sqcup$ | _        | L.         | 101      | _            |                                     | Ц             | _        |               |
| 2        | 2        |                       | ┇        | _        | _        |          |  |  | Щ        | _         |          | 52       | $\sqcup$   | _              |   | 1       | ┸        | $\bot$       | $\sqcup$ | _        | L          | 102      | _            |                                     | $\perp$       | _        | $\perp$       |
| 3        | 3        | :                     | =        | _        |          |          | L  | L  | Ш        | _         | <u> </u> | 53       | Ш  |                |   | ┵       | 1_       |              | Ш        | _        |            | 103      | <u></u>      |                                     | $\Box$        |          | $\perp$       |
|          | 4        |                       | $\perp$  | $\perp$  | $\Box$   | _        | L  | 匚  |          |           | <u> </u> | 54       | Ш  | _              |   | $\perp$ |          |              | Ш        | _        |            | 104      | $oxed{oxed}$ |                                     | $\Box$        | _        | $\bot$        |
| L        | 5        |                       |          |          |          |          | L  |  |          |           |          | 55       |  |                |   |         | L        |              | Ш        |          | L          | 105      |              |                                     |               |          | 丄             |
| L        | 6        |                       |          |          |          |          |  |  |          |           |          | 56       |  |                |   |         | 1        | <u>.</u>     |          |          |            | 106      | <u> </u>     |                                     |               |          |               |
|          | 7        |                       |          |          |          |          |  |  |          |           |          | 57       |  |                |   |         |          |              |          |          |            | 107      |              |                                     |               |          |               |
|          | 8        |                       |          |          |          |          |  |  |          |           |          | 58       |  |                |   |         |          | 1            |          |          |            | 108      |              |                                     |               |          |               |
| 4        | 9        |                       | =        |          |          |          |  |  |          |           |          | 59       |  |                |   |         |          |              |          |          |            | 109      |              |                                     |               |          |               |
| 5        | 10       |                       | =        | $\neg$   |          |          |  |  |          |           |          | 60       |  |                | 7   |         |          |              |          |          |            | 110      |              |                                     |               |          |               |
| 6        | 11       | i                     | =        | ヿ        |          |          |  |  | П        |           |          | 61       | П  |                |   | Т       |          |              |          |          |            | 111      |              |                                     | П             |          |               |
| 7        | 12       | 1                     | =        | 一        |          |          |  | Г  | П        |           |          | 62       | П  |                | $\neg$  | 1       | 丁        | $\top$       | $\Box$   |          |            | 112      | Τ            |                                     |               |          |               |
| 8        | 13       |                       | =        | T        |          |          |  | Г  | П        | $\neg$    |          | 63       | П  | 寸              | $\neg$  | T       | Ť        | 1            | $\Box$   |          |            | 113      | Т            |                                     | Ħ             | T        | $\top$        |
| 9        | 14       | Η,                    | =        | 寸        | $\neg$   |          |  |  | П        | $\exists$ | . —      | 64       | П  | $\neg$         | 十   | $\top$  |          | $\top$       | $\Box$   |          |            | 114      |              |                                     | $\Box$        | T        | $\top$        |
| 10       | 15       |                       | =        | $\neg$   |          | -        |  | <del>                                     </del> |          | $\neg$    |          | 65       |  | $\neg$         | _ -   |         | $\dashv$ | +-           | $\vdash$ |          |            | 115      |              | -                                   | $\vdash$      |          |               |
| 11       | 16       | 1                     | =        | $\dashv$ | $\neg$   |          | ┰  | $\vdash$   | Н        | $\dashv$  |          | 66       | Н  | 一              |   |         | $\top$   | +            | 1-1      | $\neg$   |            | 116      | ${\dagger}$  |                                     | 1             | $\neg$   | $\neg$        |
| 12       | 17       |                       | =        |          | $\neg$   |          | 1  |  |          | $\dashv$  |          | 67       | $\vdash$   | $\neg \dagger$ | $\top$  | $\top$  | +-       | +            | $\Box$   | _        | _          | 117      | ┼─           |                                     | $\vdash$      | $\neg$   | $\neg$        |
| 13       | 18       |                       | =        | $\dashv$ |          | -        | $\vdash$   | -  | Н        | _         |          | 68       | $\vdash$   | _              |   | +       | +        | +-           | 1-1      | _        | -          | 118      | -            |                                     | $\vdash$      |          |               |
| 14       | 19       | _                     | =        | $\dashv$ | $\neg$   | _        | _  | 1  |          | $\dashv$  |          | 69       | <del>  -  </del>                                 | $\dashv$       | _   | ╅       | ╅        | +            | 1-1      | _        | -          | 119      | $\vdash$     |                                     |               | _        | _             |
|          | 20       | -                     | 7        | -        |          |          | ┢  | -  | $\vdash$ | $\dashv$  |          | 70       |  | _              | +   | ╁       | +-       | +            | 1-1      |          | -          | 120      | $\vdash$     |                                     | $\dashv$      | $\dashv$ |               |
| -        | 21       | -                     | -        |          | _        | _        | $\vdash$   |  | Н        | $\dashv$  | -        | 71       | Н  | -+             | -+  | +       | +        | +-           | $\vdash$ | -        |            | 121      | ┢            |                                     | $\vdash$      | -        | +             |
| <b> </b> | 22       | $\vdash$              | ┪        | -        | $\dashv$ | _        | -  | -  | Н        | $\dashv$  | -        | 72       | Н  | $\dashv$       | -   | +       | +        | ╁            | $\vdash$ | -        | $\vdash$   | 122      | ┢            |                                     | $\vdash$      | $\dashv$ | +             |
| -        | 23       | $\vdash$              | -        |          | -        |          | $\vdash$   | -  | H        | $\dashv$  | -        | 73       | Н  | $\dashv$       | +   | +       | +        | +            | +        | _        | -          | 123      | $\vdash$     | H                                   | $\dashv$      |          | +             |
| -        | 24       | H                     | $\dashv$ | $\dashv$ | $\dashv$ | <u> </u> | ├-   |  | Н        | $\dashv$  |          | 74       | <del>                                     </del> |                |   | +       | ┿        | +            | ┼┤       |          | -          | 124      | $\vdash$     |                                     | $\vdash$      |          |               |
| 15       | 25       | <del>    .</del>      | =        |          |          | -        | -  | ⊢  | Н        | $\dashv$  | -        | 75       | -  | $\dashv$       |   | +       | +        | ╁            | $\vdash$ | _        | -          | 125      | ╁            | H                                   | $\vdash$      | $\dashv$ | $\dashv$      |
| 16       | 26       | -                     | =        | $\dashv$ | $\dashv$ | _        | -  | ┝  | -        | $\dashv$  |          | 76       | -  | +              |   |         | +        | ┿            | -        |          | -          | 126      | ┼            | -                                   | $\vdash$      | -        | +             |
| 17       | 27       | -                     | =        | $\dashv$ | $\dashv$ | _        | H  | H  | Н        | $\dashv$  | -        | 77       | $\vdash$   | $\dashv$       | +   | +       | +        | +            | $\vdash$ | -        | -          | 127      | ┼            | $\vdash$                            | ⊣             | -        | $\rightarrow$ |
| 18       | 28       | -                     | =        | -        |          | _        | -  |  | Н        | -         | -        |          | $\vdash$   | -              | +   | +       | +        | ╁            | +        |          |            | 128      | ⊢            | -                                   |               | -        | -+            |
| 19       |          | -                     | =        | -        | $\dashv$ |          | -  | -  | Н        | -         | -        | 78       | $\vdash$   | -+             | +   | +       | +        | ╁            | $\vdash$ |          | $\vdash$   | 129      | $\vdash$     |                                     | $\vdash$      | -        | +             |
|          | 29<br>30 | -                     | -        | -        | -        | _        | -  | ├-   | Н        | -         | -        | 79       | $\vdash \vdash$                                  | $\dashv$       | +   | +       | +        | +            | ┦        | _        | $\vdash$   | 130      | ╌            |                                     | $\vdash$      | -        | +             |
| 20       |          | -                     | =        | $\dashv$ |          | _        | <del> </del>                                     | -  | $\vdash$ |           |          | 80       | $\vdash$   |                | -   | +       | +-       | +-           | ┦        | _        | -          |          | -            |                                     | $\vdash$      | -        | +             |
| 21       | 31       | -                     | =        | -        |          | _        | ⊢  | ⊢  | H        | 4         | -        | 81       | $\vdash$   | $\dashv$       |   | +       | +        | +-           | ╀╌┦      | _        | -          | 131      | ┼            |                                     | -             | -        |               |
| 22       | 32       |                       | =        | $\dashv$ | $\dashv$ | <u> </u> |  |  | $\vdash$ |           | $\vdash$ | 82       | $\vdash \vdash$                                  | $\dashv$       | +   | +       | +        | +            | $\vdash$ | _        | $\vdash$   | 132      | ├            | $\vdash$                            |               | -        | -             |
| 23       | 33       | <del></del>           | =        | -        | $\dashv$ | <u> </u> | ├-   |  | $\vdash$ |           |          | 83       | $\vdash$   | $\dashv$       | +   | +       | +-       | +            | +        |          | -          | 133      | -            | _                                   | $\rightarrow$ | -        |               |
| 24       | 34       | -                     | =        | -        | 4        | <u> </u> | ⊢  | <del> </del>                                     | $\vdash$ | $\dashv$  |          | 84       | $\vdash$   | +              | -+  | -       | +-       | +-           | $\vdash$ | $\dashv$ | -          | 134      | -            | <b> </b>                            | $\dashv$      |          |               |
| 25       | 35       | Н,                    | =        | $\dashv$ |          | <b>-</b> | <del>                                     </del> | <del> </del>                                     | $\vdash$ |           |          | 85       |  | $\dashv$       | -   | - -     | +        | +-           | $\vdash$ | $\dashv$ | <u> </u>   | 135      | -            |                                     | $\dashv$      | 4        | +             |
| -        | 36       | $\vdash \vdash$       |          |          |          |          | ⊢  |  | Ш        |           |          | 86       | $\vdash \vdash$                                  | $\dashv$       | $\perp$   | +       | +        | +            | $\vdash$ | 4        | <u> </u>   | 136      | <del> </del> | Щ                                   | $\sqcup$      | _        | +             |
| <u></u>  | 37       | -                     | 4        | 4        | 4        | <u> </u> | <u> </u>   | _  | Ш        | _         |          | 87       | $\sqcup$   |                | -   | $\bot$  | 4        | +-           | $\vdash$ | _        | -          | 137      |              |                                     | $\sqcup$      | _        | +             |
| <u></u>  | 38       | $\sqcup \bot$         | _        | _        | _        |          | <u> </u>   | <u> </u>   | Ш        | _         |          | 88       | Ш  | 4              | $\perp$   | $\bot$  | $\bot$   | $\perp$      | $\sqcup$ | _        | <u> </u>   | 138      | ╙            |                                     | $\Box$        | _        | $\bot$        |
| <u></u>  | 39       | $\sqcup \bot$         | _ļ       | _        | _        |          | <u> </u>   | <u> </u>   | Ш        | _         |          | 89       | Ш  | $\dashv$       | _   | 4       | $\bot$   | $\perp$      | $\sqcup$ | _        | <u> </u>   | 139      | ـــــ        |                                     | Ц             | _        | $\perp$       |
|          | 40       | $\sqcup \bot$         | _        |          |          |          | L_   | <u> </u>   | Ш        |           |          | 90       |  | _              | _   | 1       | 1        | 1            | $\sqcup$ | _        | _          | 140      | <u> </u>     | L.,                                 |               | _        |               |
| <u></u>  | 41       | $\sqcup \!\!\! \perp$ | 4        |          | _        |          | <u> </u>   | <u> </u>   | Ш        | _         |          | 91       | Ш  | $\dashv$       | _   | $\bot$  | $\perp$  | 1_           | Ш        | _        |            | 141      | ـــــ        |                                     | $\Box$        | _        |               |
| <u></u>  | 42       | $\sqcup \bot$         | 4        |          | _        |          | L  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | Ш        |           |          | 92       | Ш  | _              | _   | $\perp$ | 4        | $\perp$      |          | $\dashv$ | <u></u>    | 142      | <u> </u>     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $\sqcup$      | _        | $\perp$       |
| <u></u>  | 43       | $\sqcup$              | _        |          | _        |          | <u> </u>   | <u> </u>   | Ш        | _         | <u></u>  | 93       | Ш  | $\perp$        | _   | $\perp$ | $\perp$  | $\perp$      | $\sqcup$ | $\Box$   |            | 143      | <u> </u>     | Ш                                   | $\sqcup$      | _        |               |
|          | 44       | oxdot                 | _        |          | _        |          | _  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | Ш        | $\Box$    | <u></u>  | 94       | $\sqcup$   | _              | $\perp$   | $\perp$ | _        |              | Ш        | _        | L_         | 144      | <u> </u>     | Ш                                   | $\sqcup$      | $\Box$   |               |
|          | 45       | $\Box$                | ⅃        |          |          |          | L  |  |          |           |          | 95       | Ш  |                |   |         |          |              |          |          |            | 145      | $\perp$      | Ш                                   |               |          |               |
|          | 46       |                       | $\prod$  |          |          |          |  |  |          |           |          | 96       |  |                | $\perp$   |         |          | $\perp$      | $\Box$   |          |            | 146      |              |                                     |               |          |               |
|          | 47       |                       |          | $\Box$   |          |          | L  | oxdot  |          | _]        |          | 97       |  |                | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |         |          | $oxed{\Box}$ | $\Box$   |          |            | 147      | Ĺ            | آكا                                 |               |          |               |
|          | 48       |                       | J        |          |          |          |  |  |          | _]        |          | 98       |  |                |   |         |          | $\prod$      |          |          |            | 148      | L            |                                     |               |          |               |
|          | 49       |                       | I        |          |          |          |  |  |          |           |          | 99       |  | $\Box$         |   |         |          |              |          |          |            | 149      |              |                                     |               | $\neg$   | T             |
|          | 50       |                       |          | T        |          |          |  |  |          |           |          | 100      | П  |                |   |         | 1        | Τ            |          |          |            | 150      |              |                                     |               |          | $\neg$        |
|          | •        |                       |          |          |          |          |  |  |          |           |          |          |  |                |   |         |          | _            |          | _        |            |          | •            |                                     |               | _        |               |